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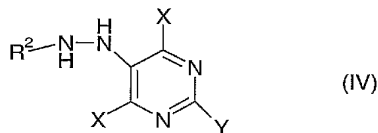
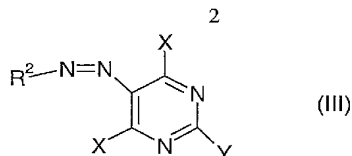
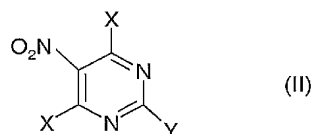
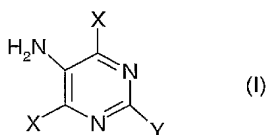
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(54) Title: CHEMICAL PROCESS



(57) Abstract: The present invention provides a process for the preparation of a compound of formula (I); wherein X is halogen; Y is ZR<sup>1</sup>; Z is oxygen or sulphur; and R<sup>1</sup> is C<sub>1-6</sub> alkyl, C<sub>1-6</sub> haloalkyl or C<sub>3-7</sub> cloalkyl; the process comprising either: hydrogenating a compound of formula (II); with a suitable transition metal catalyst in a C<sub>1-6</sub> aliphatic alcohol, an ether, an hydrocarbon as solvent; or, b) conducting a one-pot hydrogenation of a compound of formula (III); wherein R<sup>2</sup> is phenyl optionally substituted by chloro, C<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkoxy or (C<sub>1-6</sub> alkyl)<sub>2</sub>N; firstly at about 20°C to form a compound of formula (IV); and then at about 40°C; both steps (I) and (ii) being carried out in the presence of a suitable catalyst and in the presence of a suitable solvent.



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